

## CLAIMS

1. A system for providing an interface enabled to transfer data between a plurality of databases, comprising:

a first database constructed and arranged to store a set of one or more data, wherein the first database is associated with a workstation, and the set of one or more data includes data associated with biological probe arrays;

a second database constructed and arranged to store the set of one or more data, wherein the second database is associated with a server; and

an interface constructed and arranged to transfer the set of one or more data between the first database and the second database based, at least in part, upon a user selection.

2. The system of claim 1, wherein:

the set of one or more data includes a data file.

3. The system of claim 2, wherein:

the data file is a .cel file, a .dat file, a .tif file, a .chp file, or a .spt file.

4. The system of claim 2, wherein:

the data file is a lab data file.

5. The system of claim 1, wherein:

the set of one or more data includes a data object.

6. The system of claim 1, wherein:

the first database and second database includes a data model.

7. The system of claim 6, wherein:

the data model is constructed and arranged to store and provide access to the set of one or more data.

8. The system of claim 7, wherein:  
the data model includes a relational data model.
9. The system of claim 8, wherein:  
5 the data model includes an AADM data model.
10. The system of claim 1, wherein:  
the interface includes a middleware application.
- 10 11. The system of claim 10, wherein:  
the middleware application is executed on the workstation.
12. The system of claim 10, wherein:  
the middleware application is executed on the server.
- 15 13. The system of claim 10, wherein:  
the middleware application provides access to the set of one or more data.
14. The system of claim 1, wherein:  
20 the interface includes a graphical user interface.
15. The system of claim 14, wherein:  
the graphical user interface displays the set of one or more data based, at least in part,  
upon a user selection.
- 25 16. The system of claim 14, wherein:  
the graphical user interface displays a graphical illustration of space usage based, at  
least in part, upon a user selection.
- 30 17. The system of claim 14, wherein:

the graphical user interface enables the user selection of the set of one or more data to transfer.

18. A method for providing a middleware application enabled to transfer data between a plurality of databases, comprising the steps of:

providing a first database associated with a workstation;

providing a second database associated with a server; and

providing a middleware application, wherein the middleware application performs the step of:

transferring a set of one or more data between the first database and the second database based, at least in part, upon a user selection; and

wherein the set of one or more data includes data associated with biological probe arrays.

19. The method of claim 18, wherein:

the middleware application is executed on the workstation..

20. The method of claim 18, wherein:

the middleware application is executed on the server.

21. The method of claim 18, wherein:

the middleware application further performs the step of:

providing access to the set of one or more data.

22. The method of claim 18, wherein:

the access is provided by a graphical user interface, wherein the graphical user interface displays the set of one or more data based, at least in part, upon a user selection.

23. A system for providing access security, comprising:

a workstation constructed and arranged to execute a user request for access to a server,  
wherein the user request includes a user identity;

a database constructed and arranged to provide a set of access information;

a service application constructed and arranged to receive the user request and perform

5 the steps of:

querying the database based, at least in part, upon the user identity;

receiving the set of access information based, at least in part, upon the user  
identity; and

10 providing access privileges to the server based, at least in part, upon the set of  
access information.

24. The system of claim 23, wherein:

the service application is associated with the server.

15 25. The system of claim 23, wherein:

the set of access information includes access to specific files.

26. The system of claim 23, wherein:

the access privileges include updating the access permission associated with the file.

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27. The system of claim 23, wherein:

the service application further performs the step of:

revoking the access privileges based, at least in part, upon user disconnection.

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28. A system for providing an interface enabled to transfer data between a plurality of  
databases, comprising:

a first database stored and executed on a workstation;

a second database stored and executed on a server; and

wherein the workstation is constructed and arranged to store and execute the interface in system memory, and the interface is constructed and arranged to perform the step of:

transferring a set of one or more data between the first database and the second database based, at least in part, upon a user selection; and

5                    wherein the set of one or more data includes data associated with biological probe arrays.

29.    The system of claim 28, wherein:  
the interface includes a middleware application.

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30.    The system of claim 28, wherein:  
the interface includes a graphical user interface.

31.    The system of claim 28, wherein:

15           the step of transferring further comprises producing a copy of each of the set of one or more data.

32.    The system of claim 31, wherein:  
the copy includes a .CAB file format.

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33.    The system of claim 28, wherein:  
the set of one or more data is transferred over a network.

34.    The system of claim 33, wherein:

25           the network includes the internet.

35.    A computer program product for enabling transfer of a set of one or more data between a plurality of databases, wherein the computer program product comprises:

an interface constructed and arranged to transfer the set of one or more data between a first database and a second database based, at least in part, upon a user selection; and

wherein the set of one or more data includes data associated with biological probe arrays.

36. The computer program product of claim 35, wherein:  
the interface includes a graphical user interface enabled to receive the user selection.

37. The computer program product of claim 35, wherein:  
the first database is stored and executed on a workstation and the second database is stored and executed on a server.

38. The computer program product of claim 35, wherein:  
the first database is stored and executed on a first workstation and the second database is stored and executed on a second workstation.

39. A method for providing access security, comprising the steps of:  
executing a user request for access to a server;  
receiving the user request, wherein the user request includes a user identity;  
querying a set of access information based, at least in part, upon the user identity; and  
providing access privileges to the server based, at least in part, upon the set of access information.

40. A system for providing access security, comprising:  
a workstation constructed and arranged to execute a user request for access to a server;  
a security manager constructed and arranged to receive the user request, wherein the user request includes a user identity;  
an access determiner constructed and arranged to query a set of access information based, at least in part, upon the user identity; and

an access provider constructed and arranged to provide access privileges to the server based, at least in part, upon the set of access information.